

Converting Colors

$Y_{xy}(22.2895, 0.5996, 0.3509)$

Have a look what the booklet for
Yxy(22.2895, 0.5996, 0.3509)
contains.

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Color

Yxy(22.3217, 0.6000, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	F13F18
RGB	241, 63, 24
RGB Percent	95%, 25%, 9%
CMY	0.0548, 0.7530, 0.9058
CMYK	0.00, 0.74, 0.90, 0.05
HSL	11°, 89%, 52%
HSV	11°, 90%, 95%
XYZ	38.2221, 22.3217, 3.1597
YIQ	111.7760, 118.6070, 25.6070

Conversions

Conversions Part 2

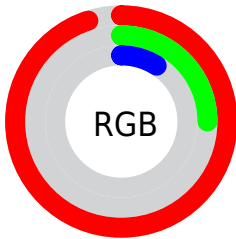
Format	Color
R_{YB}	241, 72, 24
Decimal	15810328
CIE Lab	54.37, 65.75, 59.86
CIE LCh	54, 88.922, 42.315
Yxy	22.3217, 0.6000, 0.3504
Android (android.graphics.Color)	4294000408 (0xFFFF13F18)
YUV	111.7760, -43.2736, 113.3294
Hunter-Lab	47.2458, 61.7270, 29.1069

Details

The Yxy color **22.3217, 0.6000, 0.3504** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **48.8139, 0.2114, 0.2760**, and the grayscale version is **16.2371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9339, 0.5139, 0.3724**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.4509, 0.6235, 0.3432**, and if you desaturate by 10%, it is **25.0680, 0.5658, 0.3555**.

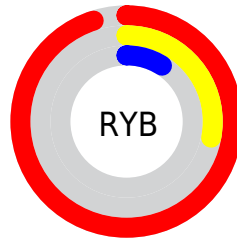
Distribution



Red (95%)

Green (25%)

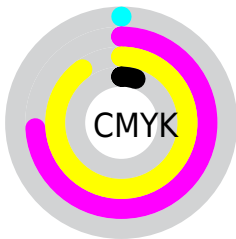
Blue (9%)



Red (95%)

Yellow (28%)

Blue (9%)

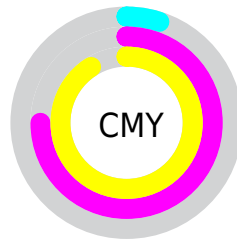


Cyan (0%)

Magenta (74%)

Yellow (90%)

Black (5%)



Cyan (5%)


Magenta (75%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3217, 0.6000, 0.3504 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.3217, 0.6000, 0.3504 by changing the saturation by 10% instead.


 22.3217, 0.6000,
0.3504


 22.3217, 0.6000,
0.3504


264.2217, 0.4503,
0.3607


 14.0935, 0.6330,
0.3388


 47.2771, 0.5475,
0.3608

 8.1857, 0.6776,
0.3224


 64.7731, 0.5269,
0.3626


 4.2140, 0.7132,
0.2868

 86.1271, 0.5093,
0.3633

 1.7940, 0.7632,
0.2368

 111.7236, 0.4941,
0.3634

 0.4834, 0.8506,
0.1494

 141.9469, 0.4809,
0.3630


 0.0000, 1.0000,
0.0000


 177.1814, 0.4694,


 0.0000, 0.0000,


0.3624


0.0000

 217.8115, 0.4593,
0.3616


 22.3217, 0.6000,
0.3504

 22.3217, 0.6000,
0.3504

 20.4509, 0.6235,
0.3432

 25.0680, 0.5658,
0.3555


 28.7827, 0.5247,
0.3574


 33.5495, 0.4821,
0.3562

 39.4412, 0.4419,
0.3530

 46.5244, 0.4064,
0.3485

 54.8602, 0.3761,
0.3435

 64.5055, 0.3508,
0.3384

 75.5137, 0.3299,
0.3336

 87.9352, 0.3128,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.3217, 0.5503, 0.2719



22.3217, 0.6000, 0.3504



22.3217, 0.5442, 0.4433

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.3217, 0.6000, 0.3504



22.3217, 0.1905, 0.5356



22.3217, 0.1492, 0.1308

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.3217, 0.6000, 0.3504



48.8139, 0.2114, 0.2760

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.3217, 0.1019, 0.1418



22.3217, 0.6000, 0.3504



22.3217, 0.1140, 0.3302

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.3217, 0.6000, 0.3504



22.3217, 0.3079, 0.6265



22.3217, 0.0898, 0.1967



22.3217, 0.2463, 0.1510

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.3217, 0.6000, 0.3504



22.3217, 0.4746, 0.5175



22.3217, 0.0898, 0.1967



22.3217, 0.1288, 0.1308

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.3231, 0.6000, 0.3504



65.4340, 0.3681, 0.3420



23.7584, 0.3631, 0.1812



13.2437, 0.3774, 0.3438



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.3231, 0.6000, 0.3504



23.1971, 0.6238, 0.3429



47.0287, 0.4822, 0.4484



16.2177, 0.3289, 0.3333



11.2267, 0.6212, 0.3450



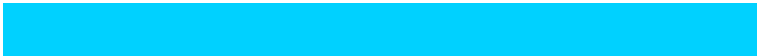
1.0623, 0.5976, 0.3637

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.8139, 0.2114, 0.2760



52.9273, 0.2082, 0.2694



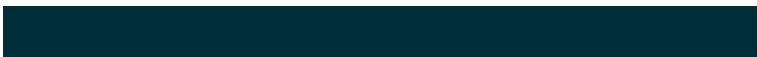
14.9775, 0.1699, 0.1243



17.4180, 0.2981, 0.3247



25.4602, 0.2085, 0.2706



2.2427, 0.2109, 0.2791

Previews

White Background



This preview shows how the Yxy color 22.3217, 0.6000, 0.3504 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 22.3217, 0.6000, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3217, 0.6000, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 22.3217, 0.6000, 0.3504.



This preview shows how white text looks on a background with the Yxy color 22.3217, 0.6000, 0.3504.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.3217, 0.6000, 0.3504

Protanopia

22.4968, 0.4229, 0.4674

Deuteranopia

22.4146, 0.4708, 0.4644



Tritanopia

22.3421, 0.5736, 0.3284

Trichromacy



Original Color

22.3217, 0.6000, 0.3504

Protanomaly

20.2473, 0.5012, 0.4143

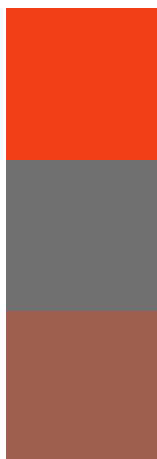
Deuteranomaly

20.8599, 0.5303, 0.4129

Tritanomaly

22.3224, 0.5860, 0.3374

Monochromacy



Original Color

22.3217, 0.6000, 0.3504

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.9555, 0.4356, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3217, 0.6000, 0.3504 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(241, 63, 24)` looks like.

```
.text, #text, p{  
    color:rgb(241, 63, 24)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 63, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 63, 24) }
```

Border

The CSS property to change the border of an element to Yxy 22.3217, 0.6000, 0.3504 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 63, 24) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(241, 63, 24) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(241, 63, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 63, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 63, 24);  
box-shadow:4px 4px 4px 4px rgb(241, 63,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3217, 0.6000, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 63, 24) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241, 63,  
24) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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